

## **Environmental Protection Agency Market Research Highlights**

- **Payroll System Replacement:** The Office of the Chief Financial Officer will issue a solicitation for the development and implementation of a new payroll system in the second quarter of FY2000 worth \$3 to \$10 million. The EPA could benefit from a vendor with expertise in acquisition strategies.

(See the “Procurement Forecast” and “Performance Plan” tabs.)

- **Financial Systems Replacement:** The CFO will also compete a \$1 to \$3 million contract in the second quarter of FY2000 to study replacement alternatives for the EPA’s Integrated Financial Management System (IFMS). Although the EPA wants to implement a COTS-based solution, a market study found that no existing COTS packages meet their requirements. EPA could benefit from vendors with expertise in requirements planning services, systems selection and implementation, and support services.

(See the “Procurement Forecast”, “Performance Plan”, and “CFO Plan” tabs.)

- **Human Resource Applications:** The EPA has purchased PeopleSoft Human Resource management applications and was expected to award a contract for implementation, maintenance, and support for these applications in the fourth quarter of FY1999, according to the forecast of contracting opportunities for FY2000-2001.

(See the “Procurement Forecast” and “Trade Press Articles” tabs.)

- **IT Reorganization:** A complete reorganization of EPA’s information technology management staff (effective October 1999) will centralize capital investment decisions and consolidate budget authority into a systems modernization fund. The Information Office will be responsible for the systems budget; the distribution of central IT funding; IT infrastructure; the ITMRA process; and the general collection, management and access to environmental information. The restructuring will dramatically broaden the range of information technology issues handled by the CIO

(See the “Performance Plan” and “Trade Press Articles” tabs.)

- **Systems Funding:** In 2000, the EPA will be taking a systematic and rigorous approach to modernizing its information systems. EPA's systems modernization fund will provide resources to develop and upgrade existing systems. Projects will pass a competitive review and must be completed in three years under a planned and managed process. EPA could benefit from vendors with expertise in program management and life-cycle processes.

(See the "Performance Plan" tab.)

- **Performance-Based Contracting:** The EPA is embracing performance-based contracting as a way to shift the procurement focus to the achievement of EPA's performance goals. EPA could benefit from vendors with expertise in performance-based contracts and the specific performance measures necessary for successful management systems implementation and operation.

(See the "Strategic Plan" and "Performance Plan" tabs.)

- **IIASC II:** SRA International, Inc. won the EPA's \$124 million Information Infrastructure Architecture Support Contract II (IIASC II) which includes evaluation of the agency's strategic plans, business processes, and systems requirements. The EPA will be relying heavily on SRA to evaluate the current management system environment and to make recommendations on future implementations. Results of these analyses will guide systems development in the agency, and should be carefully monitored.

(See the "IIASC II SOW" and "Trade Press Articles" tabs.)

- **NTACS:** Lockheed Martin captured the five-year, \$259 million National Telecommunications and Computing Services (NTACS) contract in 1997, and is a long-time contractor with the EPA.

(See the "Trade Press Articles" tab.)

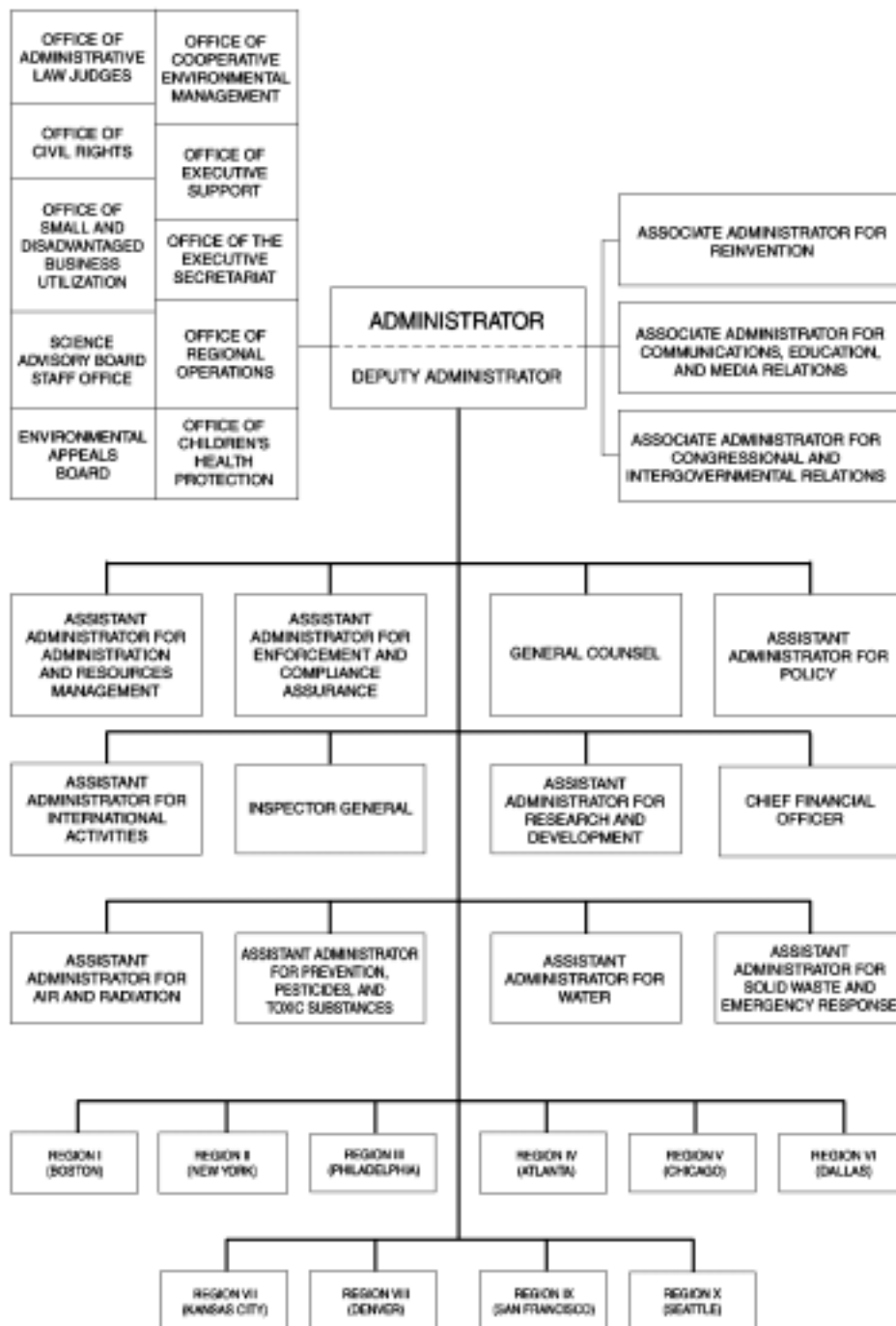
- **MOSES:** SAIC won the five-year, \$263 million Mission-Oriented Systems Engineering Support (MOSES) contract in 1998 to help the EPA integrate its major information systems and databases. SAIC runs the EPA's systems development center.

(See the "Trade Press Articles" tab.)

- **FAIR II:** The EPA's Office of Research and Development will issue a solicitation early in 2000 for IT support services, called Facilities and Administrative Information Resources Management (FAIR) II, valued at \$100 million over five years.

(See the "Procurement Forecast" and "Trade Press Articles" tabs.)

## Environmental Protection Agency Agency Overview



The mission of the Environmental Protection Agency is to protect human health and to safeguard the natural environment – the air, water, and land upon which life depends. The EPA's purpose is to ensure that:

- All Americans are protected from significant risks to human health and the environment where they live, learn, and work.
- National efforts to reduce environmental risk are based on the best available scientific information.
- Federal laws protecting human health and the environment are enforced fairly and effectively.
- Environmental protection is an integral consideration in U.S. policies concerning natural resource, human health, economic growth, energy, transportation, agriculture, industry, and international trade, and these factors are similarly considered in establishing environmental policy.
- All parts of society - communities, individuals, business, state and local governments, tribal governments - have access to accurate information sufficient to effectively participate in managing human health and environmental risks.
- Environmental protection contributes to making out communities and ecosystems diverse, sustainable and economically productive.
- The United States plays a leadership role in working with other nations to protect the global environment.

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## **Environmental Protection Agency Systems Overview**

The EPA's primary financial system is the Integrated Financial Management System (IFMS). At the close of FY1997, the system satisfied most of the EPA's information needs. However, in order to accommodate new requirements and higher customer expectations, additional actions were deemed necessary. At this time the CFO planned to:

- Upgrade EPA's accounting system to meet their directive on electronic payments; integrate the financial system with the procurement systems; automate the budget execution report to OMB; and make IFMS current with new Treasury and OMB requirements.
- Implement the Collections Tracking System (CTS), which will eliminate the need for manual, duplicate entry of information into the IFMS for Superfund related billing documents, collection, receipts, write-offs, and standard voucher information.
- Implement the IFMS Fixed Asset Module that integrates fixed asset financial accounting with physical accountability.
- Expand IFMS reporting capability to support an Executive Information System.
- Make necessary enhancements and account/code changes in IFMS to address the agency managerial cost accounting requirements and to support the new planning, budget and accountability process.
- Develop systems requirements for an integrated system that captures planned and actual program performance data as well as projected and actual costs to support the preparation of annual performance plans and accountability reports.
- Work with Office of Administration and Resource Management (OARM) to implement the Integrated Contract Management System (ICMS), a system which provides a single point of entry for all contract and related financial data and is fully integrated with other EPA financial systems.



- Examine the feasibility of providing EPA project officers with the ability to electronically review, distribute, and approve costs on contract invoices.
- Complete the development and implementation of an imaging process in the Contract Payment System (CPS) to streamline the activities associated with paying EPA contract invoices.
- Evaluate options for the future of the EPA personnel and payment systems.
- Work with OARM in replacing the Personal Property Accounting System (PPAS) with the IFMS Fixed Asset Module.
- Implement an Automated Agency Travel Management System that provides on-line travel services.

The EPA currently operates Teloquent Version 4.0, a stand-alone call distribution system that runs over Unix. The system reduces EPA's workload by responding to many service inquiries with prerecorded information, and produces detailed reports on inquiries. The interactive voice response system has an interface to the agency's accounting and payroll systems, and it handles a large volume of travel and payroll inquiries from EPA workers.

To help with the planning and performance measurement process, the EPA currently uses the Budget Automation System, developed for EPA by ISSI Consulting Group. BAS lets EPA weigh resource requirements against annual performance goals and agency-wide strategic objectives. The budget system stores EPA financial data in an Oracle7 Release 7.3 database. BAS also has online error checking, supports interactive updates and does ad hoc reporting. EPA relies on BAS to develop its annual budget proposals for the Office of Management and Budget (OMB). Also, since 1989, the EPA has been using Federal Financial System software from American Management Systems, Inc. This system supports EPA's core financial functions - everything from accounts payable to travel document processing. The budget and financial applications can swap data, letting EPA track operating costs and control funds management.

## Environmental Protection Agency Systems and Budget Data

Environmental Protection Agency Information Systems Budget									
Information System	FY1998			FY1999			FY2000		
	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*
<b>Mission Area 1: Financial Management</b>									
Integrated Financial Management System (IFMS)	0	15	15	0	11	11	1	15	16
EPA's Payroll System (EPAYS)	0	5	5	0	4	4	2	4	6
Superfund Cost Recovery Package Image & On-line System (SCORPIOS)	1	1	2	1	1	2	1	1	2
Travel Manager Plus (TM+)	1	0	1	1	0	1	1	1	2
All Other Financial Management	2	0	2	0	0	0	2	1	3
<b>Mission Area 2: Office of the Administrator (OA)</b>									
One Stop Reporting (One-Stop)	8	0	8	8	0	8	8	0	8
<b>Mission Area 2: Office of Administration and Resource Management (OARM)</b>									
Environmental Data Registry (EDR)	3	0	3	5	1	6	6	1	7
Electronic Forms (E-Forms)	2	0	2	1	1	2	2	1	3
Date Warehouse of Environmental Information (Envirofacts)	4	2	6	3	2	5	4	2	6
Integrated Contracts Management System (ICMS)	1	3	4	0	2	2	3	3	6
Integrated Grants Management System (IGMS)	3	1	4	3	1	4	3	1	4
Integrated Taxonomic Information System (ITIS)	0	0	0	0	0	0	1	0	1
Location Data Improvement Project (LDIP)	1	1	2	0	1	1	0	1	1
National Correspondence Tracking System Information Management System (NCTIMS)	1	0	1	0	0	0	0	0	0
Human Resources Management System (Peoplesoft)	2	0	2	2	0	2	2	1	3
Public Access Tools and Methods (PubAccess TM)	0	0	0	1	0	1	2	0	2
All Other for Mission Area	0	12	12	0	6	6	0	10	10
<b>Mission Area 4: Office of Air and Radiation (OAR)</b>									
AIRS Facility System (AIRS-AFS)	0	1	1	0	1	1	2	1	3
AIRS Air Quality Subsystem (AIRS-AQS)	1	0	1	1	0	1	1	1	2
Acid Raid Data System (ARDS)	1	3	4	1	3	4	1	3	4
Certification Fuel Economy Information System (CFEIS)	0	1	1	1	1	2	1	1	2
All Other for Mission Area	3	0	3	3	0	3	3	0	3

Environmental Protection Agency Information Systems Budget									
Information System	FY1998			FY1999			FY2000		
	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*
<b>Mission Area 5: Office of Enforcement and Compliance Assurance (OECA)</b>									
Enforcement & Compliance Information (ECI)	1	6	7	2	5	7	2	5	7
Enhanced Public Access Task Force (EPAccess)	1	0	1	1	0	1	1	0	1
All Other for Mission Area	2	0	2	4	0	4	5	0	5
<b>Mission Area 6: Office of the Inspector General (OIG)</b>									
Inspector General Operation and Reporting (IGOR)	2	0	2	1	0	1	0	0	0
<b>Mission Area 7: Office of International Activities (OIA)</b>									
All Other for Mission Area	0	1	1	0	1	1	0	1	1
<b>Mission Area 8: Office of Policy (OP)</b>									
Center for Environmental Information and Statistics (CEIS)	4	1	5	4	1	5	6	2	8
Electronic Reporting/Data Collection (ER/EDI/ED)	5	0	5	5	0	5	6	1	7
<b>Mission Area 9: Office of Prevention, Pesticides and Toxic Substances (OPPTS)</b>									
Office of Pesticide Programs Systems Integration Project (OPPIN)	2	0	2	2	0	2	2	0	2
Toxic Chemical Release Inventory System (TRIES)	0	8	8	0	7	7	0	6	6
All Other for Mission Area	0	16	16	0	15	15	0	14	14
<b>Mission Area 10: Office of Research and Development (ORD)</b>									
Environment Monitoring for Public Access and Community Tracking (EMPACT)	1	0	1	0	0	0	0	0	0
ORD Management Information System (OMIS)	2	1	3	3	1	4	3	1	4
All Other for Mission Area	2	7	9	2	7	9	2	7	9
<b>Mission Area 11: Office of Solid Waste and Emergency Response (OSWER)</b>									
Comprehensive Environmental Response Information System (CERCLIS)	3	3	6	2	2	4	1	2	3
Risk Management Plan Information System (RMP*Info)	1	0	1	1	1	2	0	1	1
Waste Information Needs (WIN)	1	1	2	0	1	1	2	1	3
All Other for Mission Area	0	9	9	0	9	9	1	9	10
<b>Mission Area 12: Office of Water (OW)</b>									
Information Collection Rule Data Base (ICRDB)	1	1	2	3	2	5	2	1	3
National Contaminant Occurrence Data Base (NCOD)	1	0	1	1	0	1	1	0	1
Safe Drinking Water Information System - Federal (SDWIS-Fed)	1	2	3	1	2	3	0	2	2
Safe Drinking Water Information System - State (SDWIS-State)	2	2	4	2	2	4	0	2	2
Storage and Retrieval of Water Quality Information (STORET)	2	1	3	2	0	2	2	1	3

<b>Environmental Protection Agency Information Systems Budget</b>									
Information System	FY1998			FY1999			FY2000		
	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*	M/D/E*	SS*	Sum*
Surf Your Watershed/Index of Watershed Indicators (SURF/IWI)	1	0	1	3	1	4	2	1	3
All Other for Mission Area	0	10	10	0	6	6	0	8	8
<b>Mission Area 13: Regions (RT)</b>									
Regional Geographic Information System Support (GIS)	3	7	10	3	7	10	3	7	10
Superfund Document Management System (SDMS)	3	1	4	4	1	5	4	1	5
All Other for Mission Area	0	22	22	0	22	22	0	22	22
<b>Mission Area 14: Executive Steering Committee (ESC)</b>									
All Other for Mission Area	5	0	5	1	0	1	17	0	17
<b>Total</b>	<b>80</b>	<b>144</b>	<b>224</b>	<b>78</b>	<b>128</b>	<b>206</b>	<b>108</b>	<b>143</b>	<b>251</b>

\* M/D/E = Modernization/Development/Enhancement; SS = Steady State; Sum = M/D/E + SS.

<b>Environmental Protection Agency Systems and Applications**</b>		
Number of Operational Agency Financial Management Systems	Number of Operational Agency Financial Management Applications	Number of Applications in Development or Phased Implementation
12	12	2

<b>Environmental Protection Agency Operational Agency Applications**</b>												
Application Type												
Acquisition	Budget Formulation	Core Financial	Travel	Payroll Personnel Civilian	Payroll Personnel Other	Labor Distribution	Inventory Property	Inventory (Held for Sale)	Revenue	Loan	EIS	Other
3	0	1	0	2	0	1	1	0	0	1	0	3

\*\* According to a 1998 CFO Council report. Operational agency applications omit systems in development.